

**Notice of Allowability**

Application No.

09/741,715

Examiner

Christopher A. Revak

Applicant(s)

TACHIBANA ET AL.

Art Unit

2131

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response filed on April 15, 2005.
2. ☒ The allowed claim(s) is/are \_\_\_\_\_.
3. ☒ The drawings filed on 20 December 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 6/8/05.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
6/9/05

**NOTICE OF ALLOWANCE**

***Response to Arguments***

1. Applicant's arguments filed on December 29, 2004 have been fully considered and are persuasive.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Griffith on June 8, 2005.

The application has been amended as follows:

Please cancel claims 3, 12, and 18.

***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

As per claims 1, 2, 10, 11, 15, 16, 17, and 19, the examiner has found the applicant's arguments filed on December 29, 2004 to be persuasive as is recited in the remarks sections, page 3, lines 2-10 and 16-18.

As per claim 7, the examiner has found the applicant's arguments filed on December 29, 2004 to be persuasive in the remarks sections, page 4, lines 7-11.

As per claim 20, the applicant has supplied a supplemental amendment filed on April 15, 2005 and the claim language is consistent to that of claims 1,2,10,11,15,16,17, and 19, the examiner has found the applicant's arguments filed on December 29, 2004 to be persuasive as is recited in the remarks sections, page 3, lines 2-10 and 16-18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Oh, US 2005/0060146 discloses of extracting MDCT coefficients from a bit stream.

Wakasu, US 2002/0110260 discloses of performing DCT calculations for extracted components and embedding watermark data into the data of frequency components.

Wakasu, U.S. Patent 6,735,325 discloses of performing DCT calculations for extracted components and embedding watermark data into the data of frequency components.

Wakasu, U.S. Patent 6,453,053 discloses of performing DCT calculations for extracted components and embedding watermark data into the data of frequency components.

Ueno et al, U.S. Patent 5,960,390 discloses of using DCT spectrum transformation by multiplying a waveform cut into blocks by a window function.

Miyamori et al, U.S. Patent 5,825,320 discloses of slicing an input signal into blocks and multiplying the blocks with a window function producing spectral components using DCT.

Tsutsui et al, U.S. Patent 5,752,224 discloses of a waveform being multiplied with a windowing function to transform into spectral signals using DCT.

Tsutsui et al, U.S. Patent 5,731,767 discloses of a waveform being multiplied with a windowing function to transform into spectral signals using DCT.


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher A. Revak whose telephone number is 571-272-3794. The examiner can normally be reached on Monday-Friday, 6:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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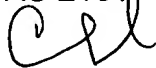
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CR

  
June 8, 2005

Christopher Revak

AU 2131



6/9/05